## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/014	4.363A
Source:		1FW16
Date Processed by STIC:	3,	19/05
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RAW SEQUENCE LISTING DATE: 03/09/2005
PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

Input Set: A:\Cd20805.app

3 <110> APPLICANT: BURG, JOSEF

```
ENGEL, ALFRED
 5
         FRANZE, REINHARD
         HILGER, BERND
 6
         SCHURIG, HARTMUT E.
 7
 8
         TISCHER, WILHELM
 9
         WOZNY, MANFRED
11 <120> TITLE OF INVENTION: ERYTHROPOIETIN CONJUGATES
13 <130> FILE REFERENCE: CD 20805
15 <140> CURRENT APPLICATION NUMBER: 10/014,363A
16 <141> CURRENT FILING DATE: 2001-12-11
18 <150> PRIOR APPLICATION NUMBER: EP 00127891.0
19 <151> PRIOR FILING DATE: 2000-12-20
21 <160> NUMBER OF SEQ ID NOS: 17
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
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27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
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37 Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
                                40
40 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
41
                            55
43 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
                        70
                                             75
46 Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
                    85
                                         90
49 Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
               100
                                   105
52 Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
                               120
55 Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
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58 Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
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61 Cys Arg Thr Gly Asp
62
65 <210> SEQ ID NO: 2
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67 <212> TYPE: PRT
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74 Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His
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77 Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
80 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
83 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
86 Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
                    85
                                        90
89 Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
                                   105
92 Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
          115
                               120
95 Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
                           135
98 Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
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                                           155
101 Cys Arg Thr Gly Asp Arg
106 <210> SEQ ID NO: 3
107 <211> LENGTH: 201
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
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115 <400> SEQUENCE: 3
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119 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Ile
                                     25
122 Glu Gly Arg Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu
125 Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys
                             55
128 Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys
131 Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val
                     85
                                         90
134 Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly
                                    105
137 Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu
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PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

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138
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140 His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu
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143 Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala
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                                           155
146 Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu
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                                       170
149 Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr
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152 Gly Glu Ala Cys Arg Thr Gly Asp Arg
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156 <210> SEQ ID NO: 4
157 <211> LENGTH: 196
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
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165 <400> SEQUENCE: 4
166 Met Gly, Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu
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                                         10
169 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Ala Pro
172 Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu
                                 40
175 Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser
                             55
178 Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala
                        70
181 Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly
184 Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val
185
    100
                                    105
187 Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala
          115
                               120
                                                   125
190 Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala
                           135
193 Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu
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196 Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser
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199 Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg
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202 Thr Gly Asp Arg
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207 <211> LENGTH: 201
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
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PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

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212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
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219 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Gly Ala
                 20
                                     25
222 Ala His Tyr Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu
223
             35
225 Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys
        50
                             55
228 Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys
231 Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val
234 Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly
                                105
237 Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu
            115
                                120
240 His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu
                            135
243 Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala
                        150
                                            155
246 Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu
                                        170
                    165
                                                            175
249 Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr
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252 Gly Glu Ala Cys Arg Thr Gly Asp Arg
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257 <211> LENGTH: 629
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic nucleotide
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265 <220> FEATURE:
266 <221> NAME/KEY: CDS
267 <222> LOCATION: (14)..(616)
269 <400> SEQUENCE: 6
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271
                  Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu
272
274 ctc ctg tcc ctg ctg tcg ctc cct ctg ggc ctc cca gtc ctg ggc gcc
                                                                      97
275 Leu Leu Ser Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala
278 ccc ccc cga atc gag ggc cgc gcc cca cca cgc ctc atc tqt gac agc
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279 Pro Pro Arg Ile Glu Gly Arg Ala Pro Pro Arg Leu Ile Cys Asp Ser
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			~~~	<b>L</b> L				<b>-</b>			55					60	241
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	Thr	Thr	GIY	Cys		GIU	HIS	Cys	Ser		Asn	GIU	Asn	TTE		vaı	
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	Lys		Tyr	Thr	Gly	Glu		Cys	Arg	Thr	Gly	_	Arg				
320		190					195					200					
	gac				_												629
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VERIFICATION SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/014,363A

TIME: 11:47:17

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